

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: HELEN PEZZUTO Examiner #: 70058 Date: _____
 Art Unit: 1713 Phone Number 302-1108 Serial Number: 10/697,663
 Mail Box and Bldg/Room Location: Rein 10A29 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: SEE ATTACHED

Inventors (please provide full names): _____

Earliest Priority Filing Date: 10/29/03

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

A copolymer shown in formula (1) derived from monomer "m" shown in formula (2) (see attached & N-isopropylacrylamide was exemplified) and a monomer shown in formula (3) (which is made from 10/697,669).

* Search 10/697,669 first then with "m" monomer units. Thanks!

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: _____	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) _____



STIC Search Report

REM
EIC 1700

STIC Database Tracking Number: 129522

**TO: Helen Pezzuto
Location: REM 10A29
Art Unit : 1713
August 16, 2004**

Case Serial Number: 10/697663

**From: Kathleen Fuller
Location: EIC 1700
REMSSEN 4B28
Phone: 571/272-2505
Kathleen.Fuller@uspto.gov**

Search Notes

=> file reg

FILE 'REGISTRY' ENTERED AT 12:33:38 ON 16 AUG 2004
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 15 AUG 2004 HIGHEST RN 727358-71-6
DICTIONARY FILE UPDATES: 15 AUG 2004 HIGHEST RN 727358-71-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> file hcaplus

FILE 'HCAPLUS' ENTERED AT 12:33:43 ON 16 AUG 2004
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FILE COVERS 1907 - 16 Aug 2004 VOL 141 ISS 8
FILE LAST UPDATED: 15 Aug 2004 (20040815/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

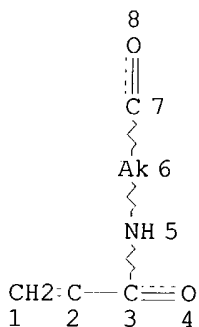
=> d que

L6 55 SEA FILE=REGISTRY ABB=ON (2210-25-5/BI OR 9001-63-2/BI OR
1432-45-7/BI OR 207442-00-0/BI OR 227182-79-8/BI OR 3025-95-4/B
I OR 3025-96-5/BI OR 348625-87-6/BI OR 389636-39-9/BI OR
389636-40-2/BI OR 389636-41-3/BI OR 389636-42-4/BI OR 389636-43
-5/BI OR 389636-44-6/BI OR 389636-45-7/BI OR 389636-46-8/BI OR
389636-47-9/BI OR 389636-48-0/BI OR 543-24-8/BI OR 5687-48-9/BI
OR 57-08-9/BI OR 868-77-9/BI OR 107-95-9/BI OR 108-24-7/BI OR
110-18-9/BI OR 13749-61-6/BI OR 151954-97-1/BI OR 15214-89-8/BI
OR 16731-55-8/BI OR 1892-57-5/BI OR 2235-00-9/BI OR 2491-17-0/
BI OR 252371-64-5/BI OR 348625-86-5/BI OR 443905-61-1/BI OR

KATHLEEN FULLER EIC 1700 REMSEN 4B28 571/272-2505

538-75-0/BI OR 556-50-3/BI OR 56-12-2/BI OR 56-40-6/BI OR
 60-32-2/BI OR 61469-23-6/BI OR 71849-58-6/BI OR 75-36-5/BI OR
 7512-17-6/BI OR 7681-57-4/BI OR 7727-21-1/BI OR 7727-54-0/BI
 OR 78-67-1/BI OR 79-06-1/BI OR 79-10-7/BI OR 79-41-4/BI OR
 79042-19-6/BI OR 814-68-6/BI OR 88-12-0/BI OR 97-65-4/BI)

L7 1 SEA FILE=REGISTRY ABB=ON L6 AND GLUCOSAMINE
 L9 2 SEA FILE=REGISTRY ABB=ON MANNOSE/CN
 L10 2 SEA FILE=REGISTRY ABB=ON GALACTOSE/CN OR SIALIC ACID/CN
 L11 1 SEA FILE=REGISTRY ABB=ON "SIALIC ACID 9-O-ACETYLESTERASE"/CN
 L12 2 SEA FILE=REGISTRY ABB=ON FRUCTOSE/CN
 L13 6 SEA FILE=REGISTRY ABB=ON RIBULOSE/CN OR ERTHROLOSE/CN OR
 XYLULOSE/CN OR PSICOSE/CN OR SORBOSE/CN OR TAGATOZE/CN
 L14 3 SEA FILE=REGISTRY ABB=ON TAGATOZE/CN OR GLUCOPYRANOSE/CN
 L15 3 SEA FILE=REGISTRY ABB=ON FRUCTOPYRANOSE/CN OR DEOXYRIBOSE/CN
 OR GALACTOSAMINE/CN OR SUCROSE/CN
 L16 7 SEA FILE=REGISTRY ABB=ON FRUCTOFURANOSE/CN OR LACTOSE/CN OR
 ISOMALTOSE/CN OR MALTOSE/CN OR CELLOBIOSE/CN OR CELLULOSE/CN
 OR AMYLASE/CN
 L17 27 SEA FILE=REGISTRY ABB=ON L7 OR (L9 OR L10 OR L11 OR L12 OR
 L13 OR L14 OR L15 OR L16)
 L18 222 SEA FILE=REGISTRY ABB=ON 3458-28-4/CRN OR 3615-39-2/CRN OR
 5556-48-9/CRN OR 5962-29-8/CRN OR 7512-17-6/CRN OR 7535-00-4/CR
 N OR 9000-92-4/CRN
 L19 6684 SEA FILE=REGISTRY ABB=ON 9004-34-6/CRN OR 16984-36-4/CRN OR
 89400-31-7/CRN OR 31103-86-3/CRN OR 30237 R 26566-61-0/CRN
 OR 26566-61-0
 L20 6702 SEA FILE=REGISTRY ABB=ON 17598-81-1/CRN OR 16984-36-4/CRN
 OR 9004-34-6/CRN
 L27 STR



5,052 structures

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS M4 C AT 6

GRAPH ATTRIBUTES:

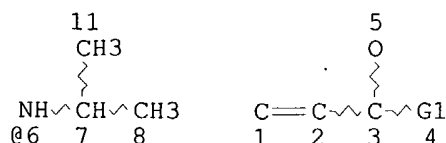
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 8

STEREO ATTRIBUTES: NONE

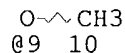
L29 5052 SEA FILE=REGISTRY SSS FUL L27
 L37 279603 SEA FILE=HCAPLUS ABB=ON NAG OR ?GLUCOSAMINE? OR MANNOSE OR
 GALACTOSE OR SIALIC ACID OR FRUCTOSE OR RIULOSE OR ERYTHROLOSE
 OR XYLULOSE OR PSICOSE OR SORBOSE OR TAGATOZE OR GLUCOPYRANOSE
 OR FRUCTOFURAN? OR DEOXYRIBOSE OR GALACTOSAMINE OR SUCROSE
 L38 425009 SEA FILE=HCAPLUS ABB=ON RIBULOSE OR ERYTHROLOS? OR LACTOSE OR

L59

ISOMALTOSE OR MALTOSE OR CELLOBIOSE OR CELLULOSE OR AMYLASE
STR

Submit search

↖



2,403 polymers

VAR G1=NH2/OH/9/6

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 11

STEREO ATTRIBUTES: NONE

L61 2403 SEA FILE=REGISTRY SUB=L29 SSS FUL L59

L62 2 SEA FILE=REGISTRY ABB=ON L61 AND (L18 OR L19 OR L20)

L63 3 SEA FILE=HCAPLUS ABB=ON L62

L64 1305 SEA FILE=HCAPLUS ABB=ON L61

L65 764 SEA FILE=HCAPLUS ABB=ON L64(L) (PREP OR SPN OR IMF OR POF)/RL

L67 228643 SEA FILE=HCAPLUS ABB=ON L17

L73 27 SEA FILE=HCAPLUS ABB=ON L65 AND (L67 OR L37 OR L38)

L74 16 SEA FILE=HCAPLUS ABB=ON L73 AND (POLYMER? OR PLASTIC?)/SC,SX

L75 19 SEA FILE=HCAPLUS ABB=ON L63 OR L74

L76 9 SEA FILE=HCAPLUS ABB=ON L65 AND CARBOHYDRATE?

L77 3 SEA FILE=HCAPLUS ABB=ON L76 AND (POLYMER? OR PLASTIC?)/SC,SX

L78 21 SEA FILE=HCAPLUS ABB=ON L75 OR L77

2 polymer & carbohydrate

=> d l78 all 1-21 hitstr

L78 ANSWER 1 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:607449 HCAPLUS

DN 139:165084

ED Entered STN: 08 Aug 2003

TI Manufacture of polymer latexes by polymerization of monomer mixtures
incorporating polymerizable **carbohydrate** surfactants

IN Yaacoub, E. J.

PA Wella A.-G., Germany

SO Ger. Offen., 12 pp.

CODEN: GWXXBX

DT Patent

LA German

IC ICM C08F251-00

ICS C09D005-02; C08L021-02; C09D121-02

CC 35-4 (Chemistry of Synthetic High **Polymers**)

Section cross-reference(s): 33, 46

FAN.CNT 1